

SUPPLEMENTAL EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with James C. Larsen (Reg. No. 58,565) on 5/20/2008.

The application has been amended as follows:

Claim 7 (Currently Amended) A portable device having an image pick-up unit picking-up an image of an object and outputting image information, comprising:

a light source emitting light to said object;

control unit for controlling an emission by said light source based on a first quantity of light emission, in an image pick-up mode; and

exposure detecting unit for detecting exposure level based on said image information; wherein

said control unit includes

a light emission quantity determining unit for determining said first quantity of light emission, and

a comparing unit for detecting a first difference by comparing said exposure level detected by said exposure level detecting unit with said light source emitting light based

on said first light emission quantity determined by said light emission quantity determining unit and said exposure level detected by said exposure detecting unit with said light source not emitting light; and

said light emission quantity determining unit determines said first light emission quantity based on said first difference detected by said comparing unit, and includes a table having a plurality of reference light emission quantities and a plurality of reference differences, the reference light emission quantities registered respectively corresponding to each of said reference differences;

said comparing unit and said light emission quantity determining unit are activated repeatedly for a single image pick-up operation until said exposure level detected by said exposure detecting unit matches a target exposure level; and

said table is looked-up based on said first difference detected by said comparing unit to read corresponding said first light emission quantity.

Claim 15 (Currently Amended) An exposure adjusting device, comprising:
an exposure detecting unit for detecting an exposure level based on image information obtained by picking-up an image of an object;

a light emission quantity determining unit for determining, in an image pick-up mode, a first light emission quantity of a light source provided in advance for emitting light to said object; and

a comparing unit for detecting a first difference by comparing said exposure level detected by said exposure detecting unit with said light source emitting light based on

said first light emission quantity determined by said light emission quantity determining unit and said exposure level detected by said exposure detecting unit with said light source not emitting light; wherein

said light emission quantity determining unit determines said first light emission quantity based on said first difference detected by said comparing unit, and includes a table having a plurality of reference light emission quantities and a plurality of reference differences, the reference light emission quantities registered respectively corresponding to each of said reference differences;

said comparing unit and said light emission quantity determining unit are activated repeatedly for a single image pick-up operation until said exposure level detected by said exposure detecting unit matches a target exposure level; and

said table is looked-up based on said first difference detected by said comparing unit to read corresponding said first light emission quantity.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to NHAN T. TRAN whose telephone number is (571)272-7371. The examiner can normally be reached on Monday - Friday, 8:00am - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Ometz can be reached on (571) 272-7593. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2622

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Nhan T. Tran/
Primary Examiner, Art Unit 2622